

Listing of Claims

This listing of claims will replace all prior versions, and listings of claims in the application:

Claim 1 (Currently Amended): A process ~~Process~~ for preparing a polyurethane material in a mould comprising: in which process the following steps are conducted:

- a) applying an external mould release agent is applied onto at least those surfaces of the mould which will be in contact with ~~the~~ ingredients used for preparing the polyurethane material and/or the finished polyurethane material;
- b) feeding the ingredients ~~to be used for preparing the polyurethane material~~ are fed into the mould;
- c) allowing the ingredients ~~are allowed to react and to form~~ the polyurethane material;
- d) removing the polyurethane material ~~so formed is removed~~ from the mould and
- e) repeating steps b, c, and d ~~steps 2, 3, and 4 are repeated~~ at least 10 times without repeating step 1 step a,

wherein at least 25% by weight of the ingredients ~~used to make the polyurethane material~~, excluding any optional water in this calculation, ~~consist of~~ comprise polyether polyol having an average nominal functionality of 2-6, an average equivalent weight of 500-5000, and an oxyethylene content of at least 50% by weight, and wherein the apparent overall density of the polyurethane material removed from the mould is 55-150 kg/m³.

Claim 2 (Currently Amended): The process ~~Process~~ according to claim 1 wherein steps b, c, and d ~~steps 2, 3 and 4~~ are repeated at least ~~15~~ 25 times without repeating step a-step 1.

Claim 3 (Currently Amended): The process ~~Process~~ according to claim 1 wherein steps b, c, and d ~~steps 2, 3 and 4~~ are repeated at least ~~25~~ 50 times without repeating step a-step 1.

Claim 4 (Currently Amended): The process ~~Process~~ according to claim 1 wherein a flexible polyurethane foam is prepared comprising reacting a polyisocyanate, the polyether polyol and water.

Claim 5 (cancelled):

Claim 6 (Currently Amended): The process ~~A process~~ according to claim 4 wherein the amount of water is 0.8-5% by weight calculated on all ingredients used.

Claim 7 (Currently Amended): The process ~~Process~~ according to claim 4, wherein the amount of polyether polyol having at least 50% by weight of oxyethylene groups is at least 50% by weight calculated on all ingredients used.

Claim 8 (Currently Amended): The process ~~Process~~ according to claim 4 wherein the reaction is conducted at an NCO index of 40-150.

Claim 9 (Currently Amended): The process ~~Process~~ according to claim 8 wherein the reaction is conducted at an NCO index of 40-150.

Claim 10 (Currently Amended): The process ~~Process~~ according to claim 1 wherein step a-step 1 is repeated after one week.

Claim 11 (Currently Amended): The process ~~Process~~ according to claim 1 wherein step a-step 1 is repeated after 24 hours.

Claim 12 (Currently Amended): The process ~~Process~~ according to claim 1 wherein step a-step 1 is repeated after 8 hours.

Claim 13-15 (cancelled):

Claim 16 (Currently Amended): A process for preparing a series of molded polyurethane articles comprising:

- a) applying an external mold release agent onto at least one surface of a mold;

- b) feeding ingredients to be used for preparing the polyurethane material into the mold;
- c) reacting the ingredients to form the polyurethane material;
- d) removing the polyurethane material from the mold; and
- e) ~~repeating steps 2, 3, and 4 at least 10 times without repeating step 1~~ forming the polyurethane material into an article; and
- f) repeating steps b, c, and d at least 10 times without repeating step a,

wherein at least 25% by weight of the ingredients ~~used to make the polyurethane material~~, excluding any optional water in this calculation, ~~consist of~~ comprise polyether polyol having an average nominal functionality of 2-6, an average equivalent weight of 500-5000, and an oxyethylene content of at least 50% by weight, and wherein the apparent overall density of the polyurethane material removed from the mold is 55-150 kg/m³.

Claim 17 (previously presented): The process of claim 1 wherein said mold is a closed mold.

Claim 18 (previously presented): The process of claim 16 wherein said mold is a closed mold.

Claim 19 (previously presented): The process of claim 1 wherein said mold is an open mold.

Claim 20 (previously presented): The process of claim 16 wherein said mold is an open mold.

Claim 21 (previously presented): The process according to claim 1 wherein said polyol has a number average nominal functionality of 2-4, a number average equivalent weight of 750-2500 and an oxyethylene content of 60-90% by weight, and is reacted with:

- a) a stoichiometric excess, relative to polyol, of a polyisocyanate containing at least 65% by weight of 4,4'-diphenylmethane diisocyanate or derivative thereof; and
- b) water; to form an isocyanate-terminated, urethane-containing prepolymer having an NCO value of 3-15% by weight.

Claim 22 (new): The process of claim 1, wherein at most one coat of the external mould release agent is applied onto at least those surfaces of the mould which will be in contact with the ingredients used for preparing the polyurethane material and/or the finished polyurethane material.

Claim 23 (new): The process of claim 1, wherein the external mould release agent does not contain an oligomeric salt agent.